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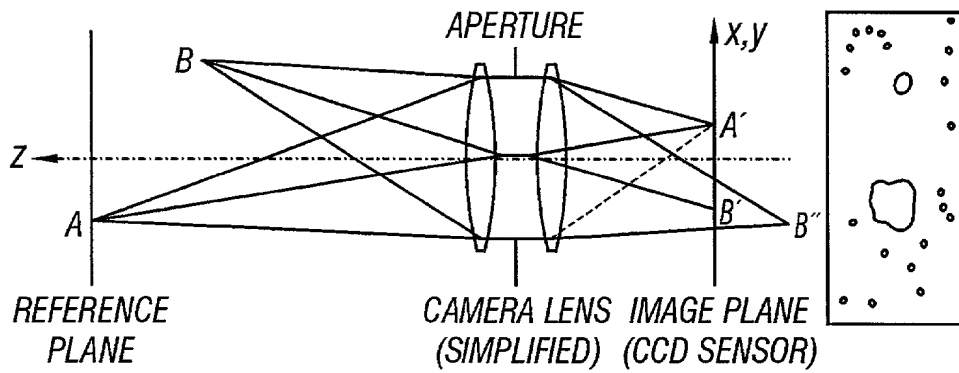


FIG. 1A

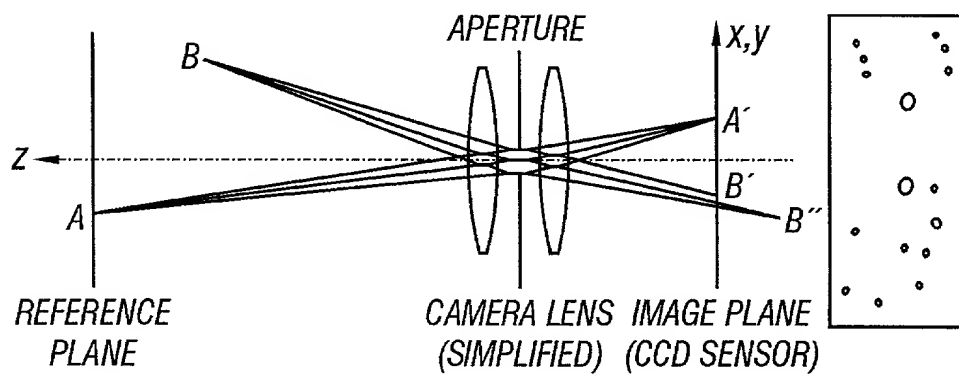


FIG. 1B

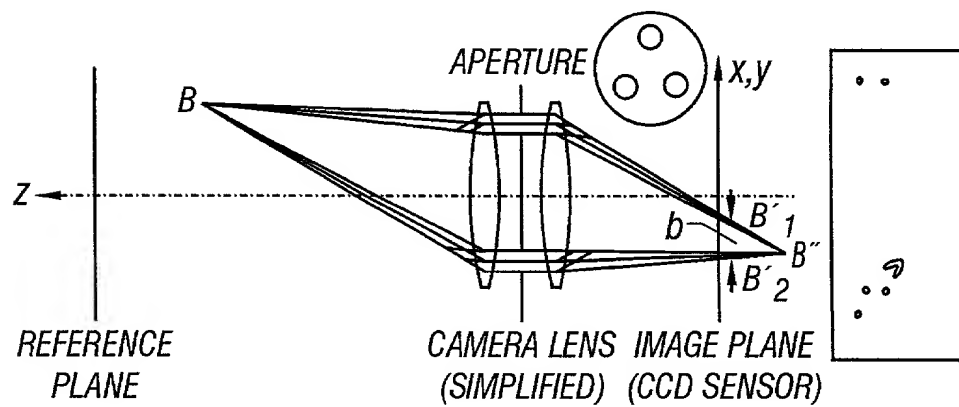


FIG. 1C

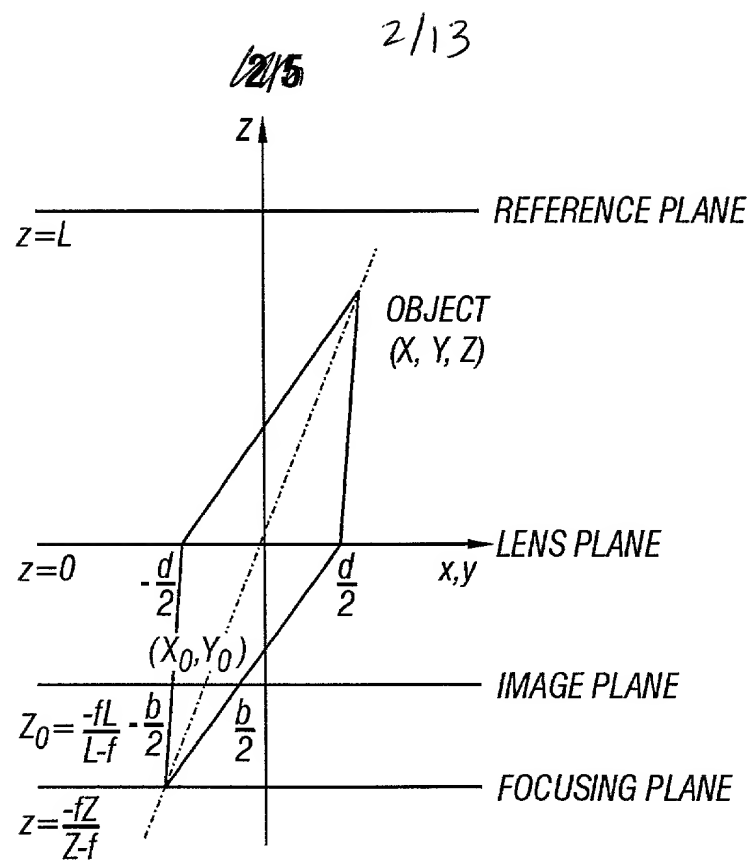


FIG. 2

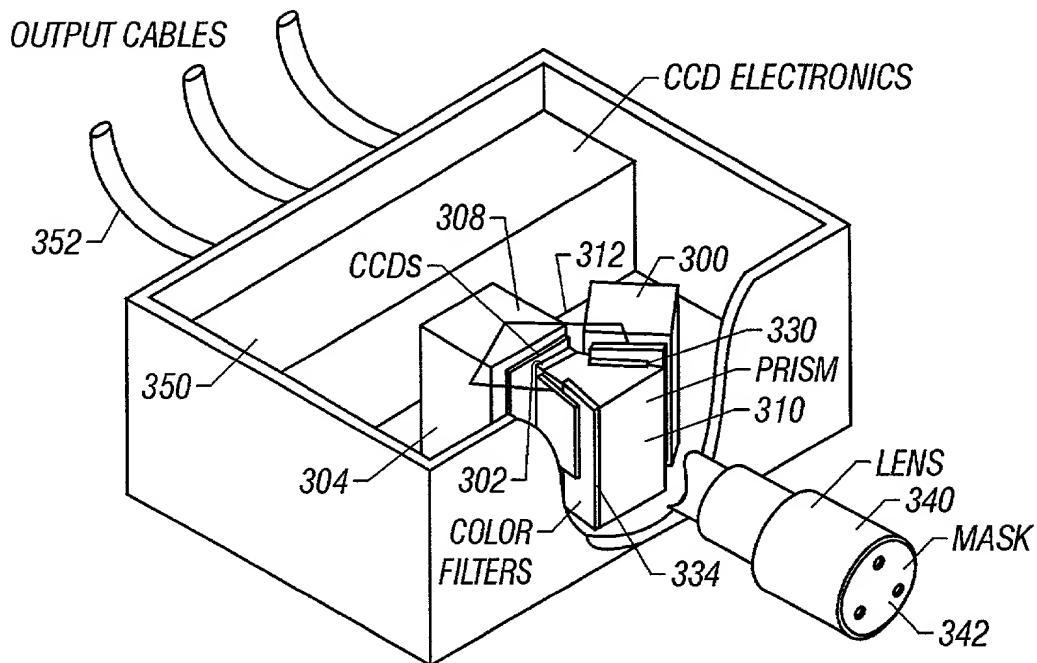


FIG. 3

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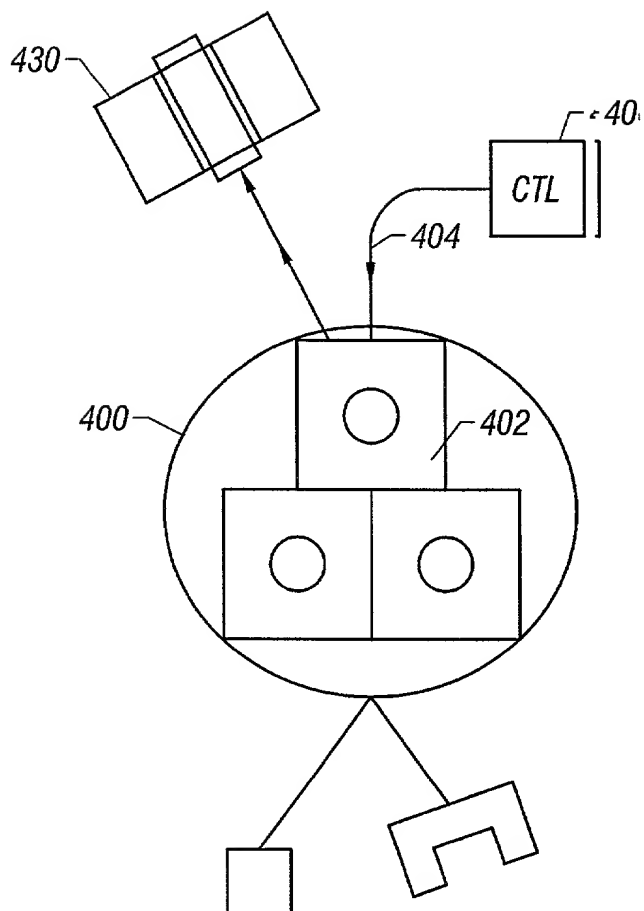


FIG. 4A

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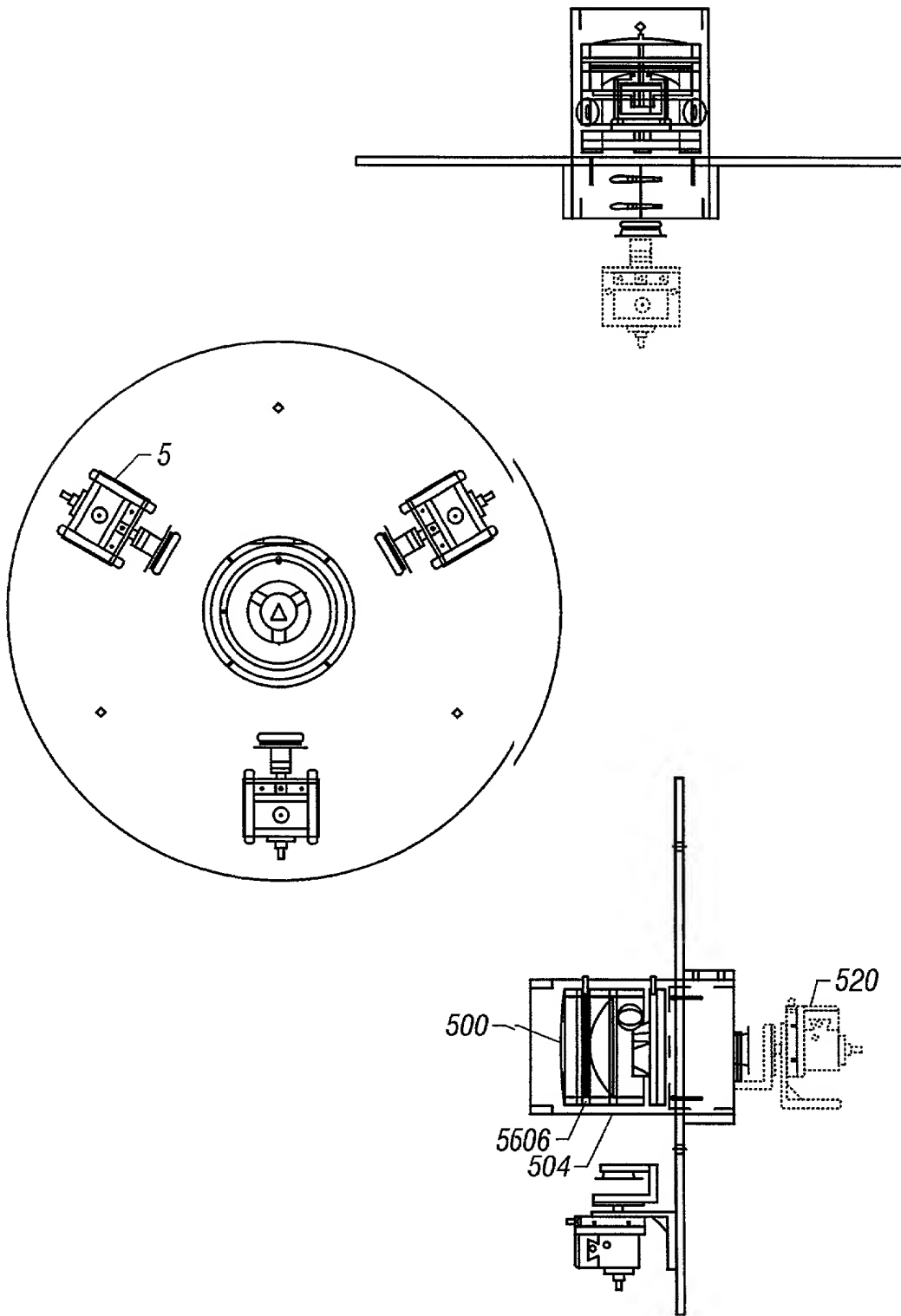


FIG. 5

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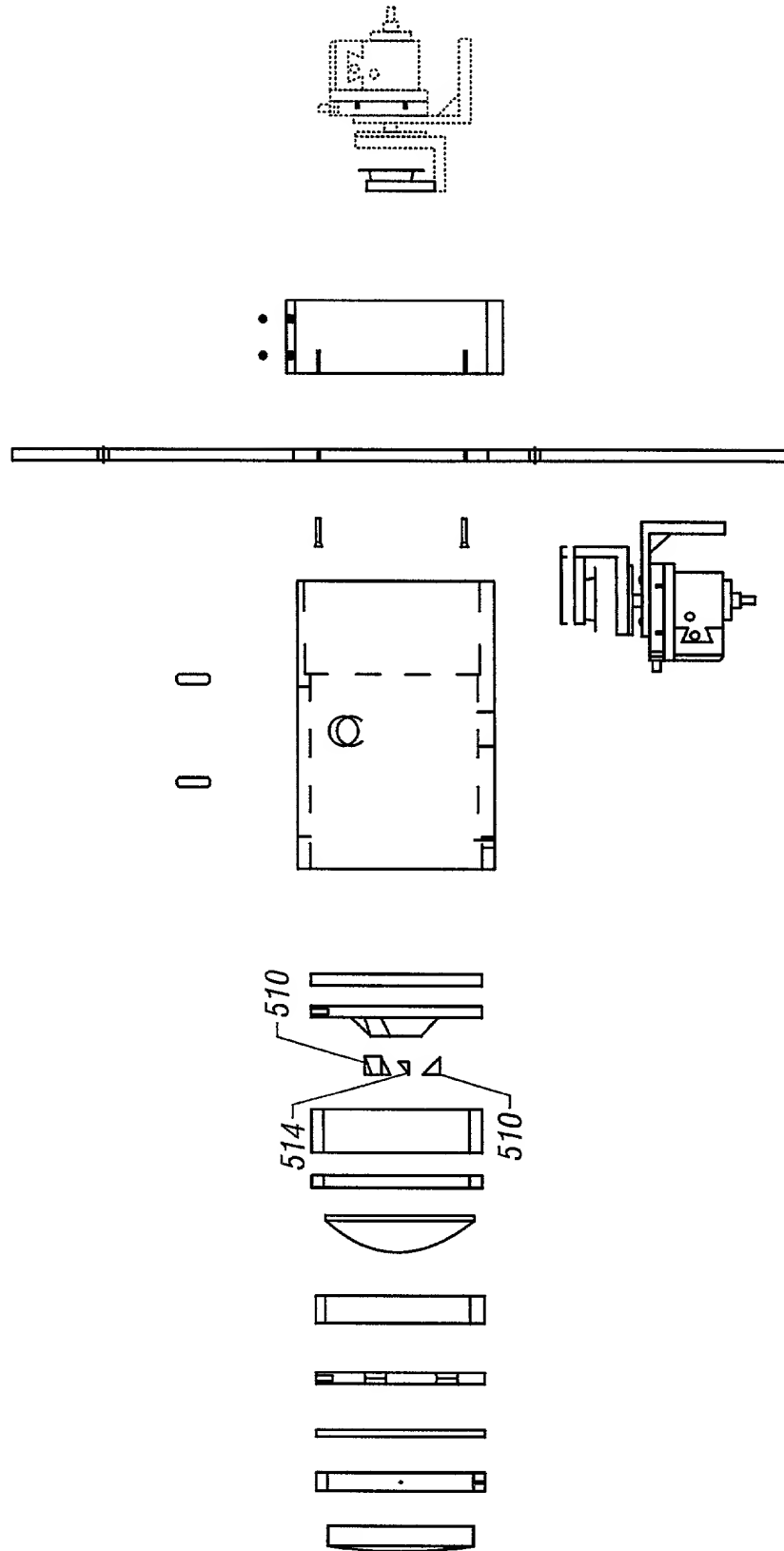


FIG. 6

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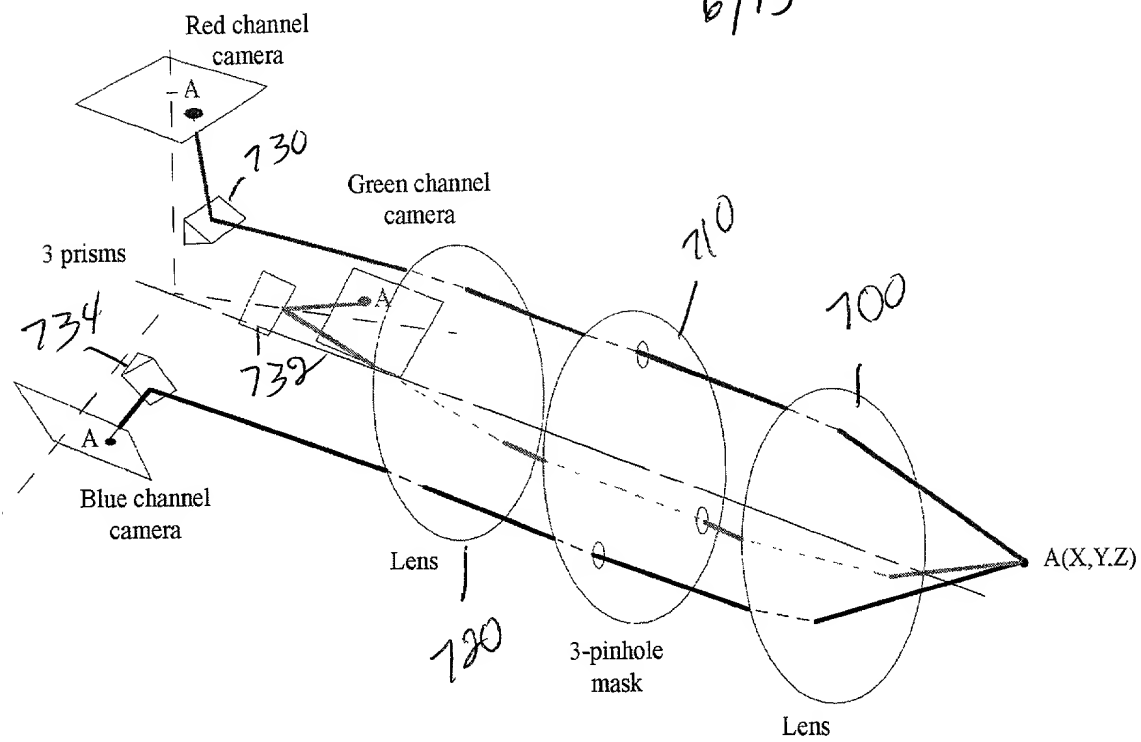


FIG 7

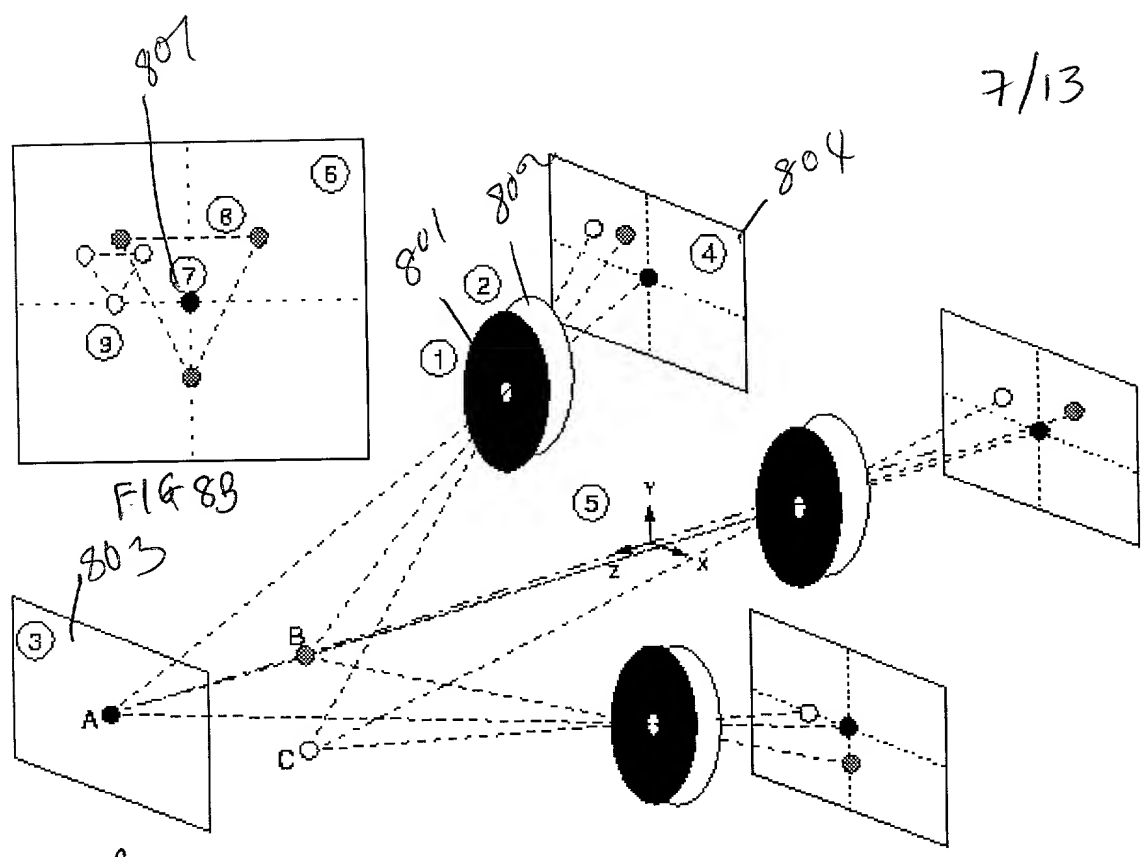


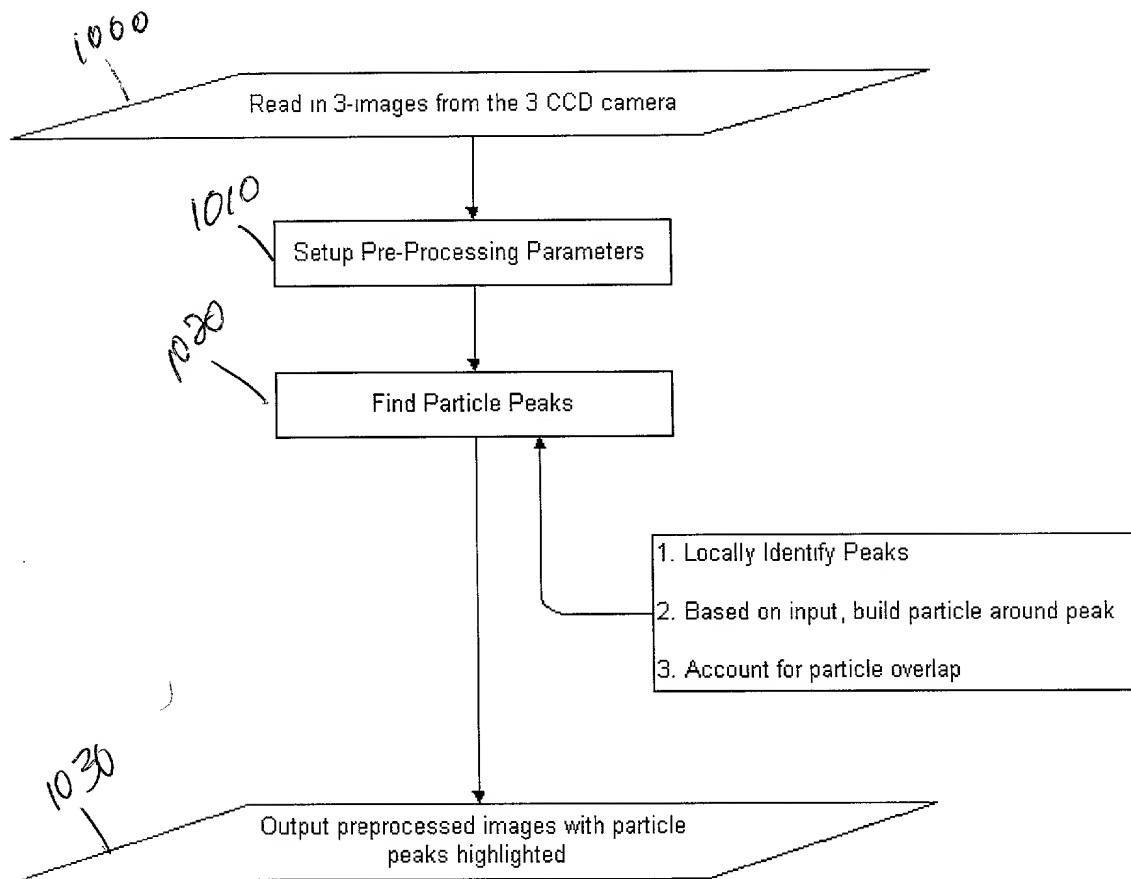
FIG 8A

FIG 8A is a perspective view of an optical system. The system includes a first plane 801, a second plane 802, a third plane 803, a fourth plane 804, a fifth plane 805, a sixth plane 806, a seventh plane 807, an eighth plane 808, a ninth plane 809, a tenth plane 810, an eleventh plane 811, a twelfth plane 812, a thirteenth plane 813, a fourteenth plane 814, a fifteenth plane 815, a sixteenth plane 816, a seventeenth plane 817, an eighteenth plane 818, a nineteenth plane 819, a twentieth plane 820, a twenty-first plane 821, a twenty-second plane 822, a twenty-third plane 823, a twenty-fourth plane 824, a twenty-fifth plane 825, a twenty-sixth plane 826, a twenty-seventh plane 827, a twenty-eighth plane 828, a twenty-ninth plane 829, a thirtieth plane 830, a thirty-first plane 831, a thirty-second plane 832, a thirty-third plane 833, a thirty-fourth plane 834, a thirty-fifth plane 835, a thirty-sixth plane 836, a thirty-seventh plane 837, a thirty-eighth plane 838, a thirty-ninth plane 839, a fortieth plane 840, a forty-first plane 841, a forty-second plane 842, a forty-third plane 843, a forty-fourth plane 844, a forty-fifth plane 845, a forty-sixth plane 846, a forty-seventh plane 847, a forty-eighth plane 848, a forty-ninth plane 849, a fiftieth plane 850, a fifty-first plane 851, a fifty-second plane 852, a fifty-third plane 853, a fifty-fourth plane 854, a fifty-fifth plane 855, a fifty-sixth plane 856, a fifty-seventh plane 857, a fifty-eighth plane 858, a fifty-ninth plane 859, a sixtieth plane 860, a sixty-first plane 861, a sixty-second plane 862, a sixty-third plane 863, a sixty-fourth plane 864, a sixty-fifth plane 865, a sixty-sixth plane 866, a sixty-seventh plane 867, a sixty-eighth plane 868, a sixty-ninth plane 869, a seventieth plane 870, a seventy-first plane 871, a seventy-second plane 872, a seventy-third plane 873, a seventy-fourth plane 874, a seventy-fifth plane 875, a seventy-sixth plane 876, a seventy-seventh plane 877, a seventy-eighth plane 878, a seventy-ninth plane 879, an eightieth plane 880, an eighty-first plane 881, an eighty-second plane 882, an eighty-third plane 883, an eighty-fourth plane 884, an eighty-fifth plane 885, an eighty-sixth plane 886, an eighty-seventh plane 887, an eighty-eighth plane 888, an eighty-ninth plane 889, a ninetieth plane 890, a ninety-first plane 891, a ninety-second plane 892, a ninety-third plane 893, a ninety-fourth plane 894, a ninety-fifth plane 895, a ninety-sixth plane 896, a ninety-seventh plane 897, a ninety-eighth plane 898, a ninety-ninth plane 899, a hundredth plane 900. The system also includes a first lens 1, a second lens 2, a third lens 3, a fourth lens 4, a fifth lens 5, a sixth lens 6, a seventh lens 7, an eighth lens 8, a ninth lens 9, a tenth lens 10, an eleventh lens 11, a twelfth lens 12, a thirteenth lens 13, a fourteenth lens 14, a fifteenth lens 15, a sixteenth lens 16, a seventeenth lens 17, an eighteenth lens 18, a nineteenth lens 19, a twentieth lens 20, a twenty-first lens 21, a twenty-second lens 22, a twenty-third lens 23, a twenty-fourth lens 24, a twenty-fifth lens 25, a twenty-sixth lens 26, a twenty-seventh lens 27, a twenty-eighth lens 28, a twenty-ninth lens 29, a thirtieth lens 30, a thirty-first lens 31, a thirty-second lens 32, a thirty-third lens 33, a thirty-fourth lens 34, a thirty-fifth lens 35, a thirty-sixth lens 36, a thirty-seventh lens 37, a thirty-eighth lens 38, a thirty-ninth lens 39, a fortieth lens 40, a forty-first lens 41, a forty-second lens 42, a forty-third lens 43, a forty-fourth lens 44, a forty-fifth lens 45, a forty-sixth lens 46, a forty-seventh lens 47, a forty-eighth lens 48, a forty-ninth lens 49, a fiftieth lens 50, a fifty-first lens 51, a fifty-second lens 52, a fifty-third lens 53, a fifty-fourth lens 54, a fifty-fifth lens 55, a fifty-sixth lens 56, a fifty-seventh lens 57, a fifty-eighth lens 58, a fifty-ninth lens 59, a sixtieth lens 60, a sixty-first lens 61, a sixty-second lens 62, a sixty-third lens 63, a sixty-fourth lens 64, a sixty-fifth lens 65, a sixty-sixth lens 66, a sixty-seventh lens 67, a sixty-eighth lens 68, a sixty-ninth lens 69, a seventieth lens 70, a seventy-first lens 71, a seventy-second lens 72, a seventy-third lens 73, a seventy-fourth lens 74, a seventy-fifth lens 75, a seventy-sixth lens 76, a seventy-seventh lens 77, a seventy-eighth lens 78, a seventy-ninth lens 79, an eightieth lens 80, an eighty-first lens 81, an eighty-second lens 82, an eighty-third lens 83, an eighty-fourth lens 84, an eighty-fifth lens 85, an eighty-sixth lens 86, an eighty-seventh lens 87, an eighty-eighth lens 88, an eighty-ninth lens 89, a ninetieth lens 90, a ninety-first lens 91, a ninety-second lens 92, a ninety-third lens 93, a ninety-fourth lens 94, a ninety-fifth lens 95, a ninety-sixth lens 96, a ninety-seventh lens 97, a ninety-eighth lens 98, a ninety-ninth lens 99, a hundredth lens 100. The system also includes a first point A, a second point B, a third point C, a fourth point D, a fifth point E, a sixth point F, a seventh point G, an eighth point H, a ninth point I, a tenth point J, an eleventh point K, a twelfth point L, a thirteenth point M, a fourteenth point N, a fifteenth point O, a sixteenth point P, a seventeenth point Q, an eighteenth point R, a nineteenth point S, a twentieth point T, a twenty-first point U, a twenty-second point V, a twenty-third point W, a twenty-fourth point X, a twenty-fifth point Y, a twenty-sixth point Z, a twenty-seventh point AA, a twenty-eighth point AB, a twenty-ninth point AC, a thirtieth point AD, a thirty-first point AE, a thirty-second point AF, a thirty-third point AG, a thirty-fourth point AH, a thirty-fifth point AI, a thirty-sixth point AJ, a thirty-seventh point AK, a thirty-eighth point AL, a thirty-ninth point AM, a fortieth point AN, a forty-first point AO, a forty-second point AP, a forty-third point AQ, a forty-fourth point AR, a forty-fifth point AS, a forty-sixth point AT, a forty-seventh point AU, a forty-eighth point AV, a forty-ninth point AW, a fiftieth point AX, a fifty-first point AY, a fifty-second point AZ, a fifty-third point BA, a fifty-fourth point BB, a fifty-fifth point BC, a fifty-sixth point BD, a fifty-seventh point BE, a fifty-eighth point BF, a fifty-ninth point BG, a sixtieth point BH, a sixty-first point BI, a sixty-second point BJ, a sixty-third point BK, a sixty-fourth point BL, a sixty-fifth point BM, a sixty-sixth point BN, a sixty-seventh point BO, a sixty-eighth point BP, a sixty-ninth point BQ, a seventieth point BR, a seventy-first point BS, a seventy-second point BT, a seventy-third point BU, a seventy-fourth point BV, a seventy-fifth point BW, a seventy-sixth point BX, a seventy-seventh point BY, a seventy-eighth point BZ, a seventy-ninth point CA, a eightieth point CB, a eighty-first point CC, a eighty-second point CD, a eighty-third point CE, a eighty-fourth point CF, a eighty-fifth point CG, a eighty-sixth point CH, a eighty-seventh point CI, a eighty-eighth point CJ, a eighty-ninth point CK, a ninetieth point CL, a hundredth point CM. The system also includes a first coordinate system 5, a second coordinate system 6, a third coordinate system 7, a fourth coordinate system 8, a fifth coordinate system 9, a sixth coordinate system 10, a seventh coordinate system 11, an eighth coordinate system 12, a ninth coordinate system 13, a tenth coordinate system 14, an eleventh coordinate system 15, a twelfth coordinate system 16, a thirteenth coordinate system 17, a fourteenth coordinate system 18, a fifteenth coordinate system 19, a sixteenth coordinate system 20, a seventeenth coordinate system 21, an eighteenth coordinate system 22, a nineteenth coordinate system 23, a twentieth coordinate system 24, a twenty-first coordinate system 25, a twenty-second coordinate system 26, a twenty-third coordinate system 27, a twenty-fourth coordinate system 28, a twenty-fifth coordinate system 29, a twenty-sixth coordinate system 30, a twenty-seventh coordinate system 31, a twenty-eighth coordinate system 32, a twenty-ninth coordinate system 33, a thirtieth coordinate system 34, a thirty-first coordinate system 35, a thirty-second coordinate system 36, a thirty-third coordinate system 37, a thirty-fourth coordinate system 38, a thirty-fifth coordinate system 39, a thirty-sixth coordinate system 40, a thirty-seventh coordinate system 41, a thirty-eighth coordinate system 42, a thirty-ninth coordinate system 43, a fortieth coordinate system 44, a forty-first coordinate system 45, a forty-second coordinate system 46, a forty-third coordinate system 47, a forty-fourth coordinate system 48, a forty-fifth coordinate system 49, a forty-sixth coordinate system 50, a forty-seventh coordinate system 51, a forty-eighth coordinate system 52, a forty-ninth coordinate system 53, a fiftieth coordinate system 54, a fifty-first coordinate system 55, a fifty-second coordinate system 56, a fifty-third coordinate system 57, a fifty-fourth coordinate system 58, a fifty-fifth coordinate system 59, a fifty-sixth coordinate system 60, a fifty-seventh coordinate system 61, a fifty-eighth coordinate system 62, a fifty-ninth coordinate system 63, a sixtieth coordinate system 64, a sixty-first coordinate system 65, a sixty-second coordinate system 66, a sixty-third coordinate system 67, a sixty-fourth coordinate system 68, a sixty-fifth coordinate system 69, a sixty-sixth coordinate system 70, a sixty-seventh coordinate system 71, a sixty-eighth coordinate system 72, a sixty-ninth coordinate system 73, a seventieth coordinate system 74, a seventy-first coordinate system 75, a seventy-second coordinate system 76, a seventy-third coordinate system 77, a seventy-fourth coordinate system 78, a seventy-fifth coordinate system 79, a seventy-sixth coordinate system 80, a seventy-seventh coordinate system 81, a seventy-eighth coordinate system 82, a seventy-ninth coordinate system 83, a eightieth coordinate system 84, an eighty-first coordinate system 85, an eighty-second coordinate system 86, an eighty-third coordinate system 87, an eighty-fourth coordinate system 88, an eighty-fifth coordinate system 89, an eighty-sixth coordinate system 90, an eighty-seventh coordinate system 91, an eighty-eighth coordinate system 92, an eighty-ninth coordinate system 93, a ninetieth coordinate system 94, a hundredth coordinate system 95. The system also includes a first axis X, a second axis Y, a third axis Z, a fourth axis A, a fifth axis B, a sixth axis C, a seventh axis D, an eighth axis E, a ninth axis F, a tenth axis G, an eleventh axis H, a twelfth axis I, a thirteenth axis J, a fourteenth axis K, a fifteenth axis L, a sixteenth axis M, a seventeenth axis N, an eighteenth axis O, a nineteenth axis P, a twentieth axis Q, a twenty-first axis R, a twenty-second axis S, a twenty-third axis T, a twenty-fourth axis U, a twenty-fifth axis V, a twenty-sixth axis W, a twenty-seventh axis X, a twenty-eighth axis Y, a twenty-ninth axis Z, a thirtieth axis AA, a thirty-first axis AB, a thirty-second axis AC, a thirty-third axis AD, a thirty-fourth axis AE, a thirty-fifth axis AF, a thirty-sixth axis AG, a thirty-seventh axis AH, a thirty-eighth axis AI, a thirty-ninth axis AJ, a fortieth axis AK, a forty-first axis AL, a forty-second axis AM, a forty-third axis AN, a forty-fourth axis AO, a forty-fifth axis AP, a forty-sixth axis AQ, a forty-seventh axis AR, a forty-eighth axis AS, a forty-ninth axis AT, a fiftieth axis AU, a fifty-first axis AV, a fifty-second axis AW, a fifty-third axis AX, a fifty-fourth axis AY, a fifty-fifth axis AZ, a fifty-sixth axis BA, a fifty-seventh axis BB, a fifty-eighth axis BC, a fifty-ninth axis BD, a sixtieth axis BE, a sixty-first axis BF, a sixty-second axis BG, a sixty-third axis BH, a sixty-fourth axis BI, a sixty-fifth axis BJ, a sixty-sixth axis BK, a sixty-seventh axis BL, a sixty-eighth axis BM, a sixty-ninth axis BN, a seventieth axis BO, a seventy-first axis BP, a seventy-second axis BQ, a seventy-third axis BR, a seventy-fourth axis BS, a seventy-fifth axis BT, a seventy-sixth axis BU, a seventy-seventh axis BV, a seventy-eighth axis BW, a seventy-ninth axis BX, a eightieth axis BY, a eighty-first axis BZ, a eighty-second axis CA, a eighty-third axis CB, a eighty-fourth axis CC, a eighty-fifth axis CD, a eighty-sixth axis CE, a eighty-seventh axis CF, a eighty-eighth axis CG, a eighty-ninth axis CH, a ninetieth axis CI, a hundredth axis CJ.





# Program 1: DE2PIV

**FIG 10**

# Program 2: FINDPART

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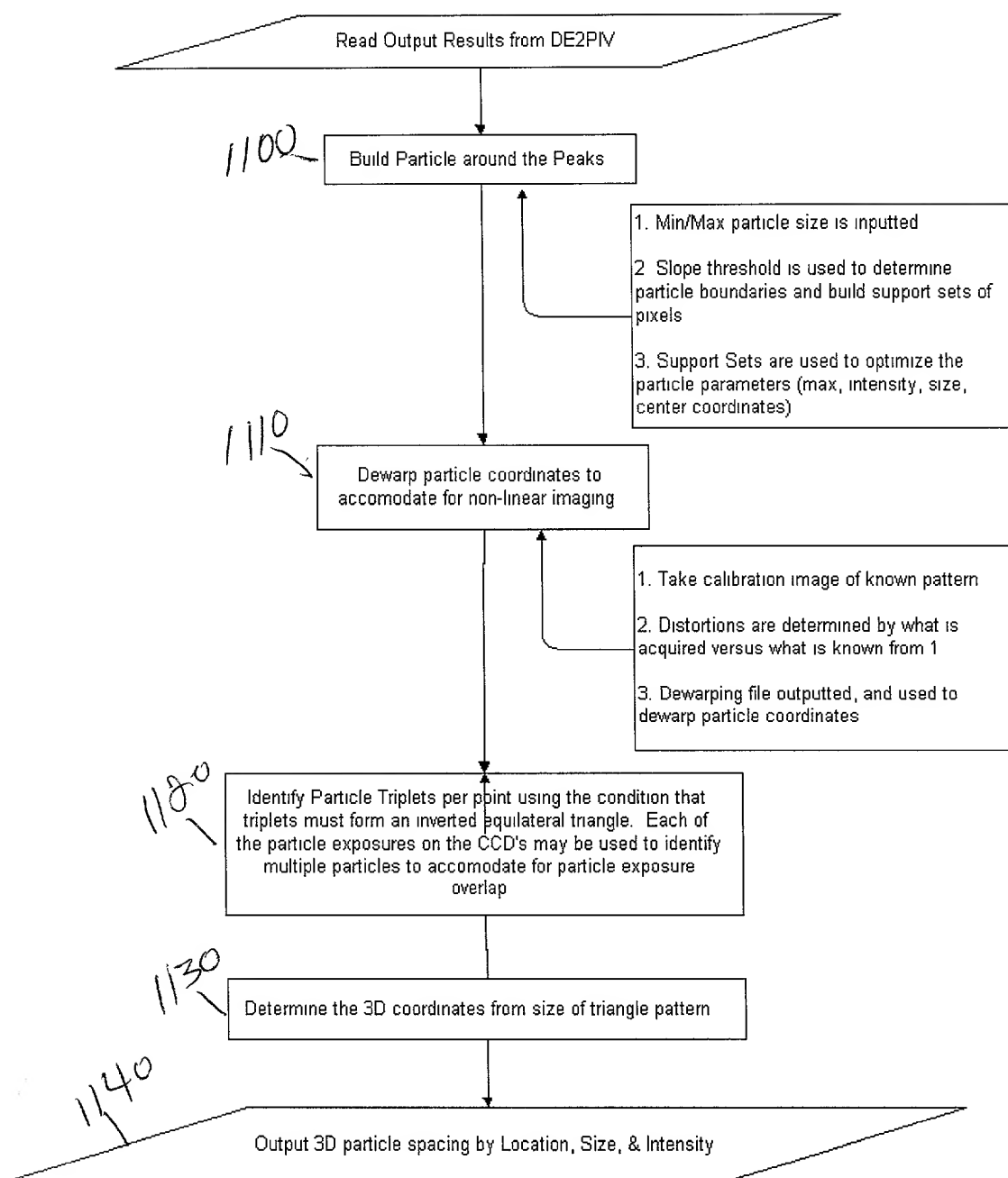


FIG 11

# Program 3: FILTERPART

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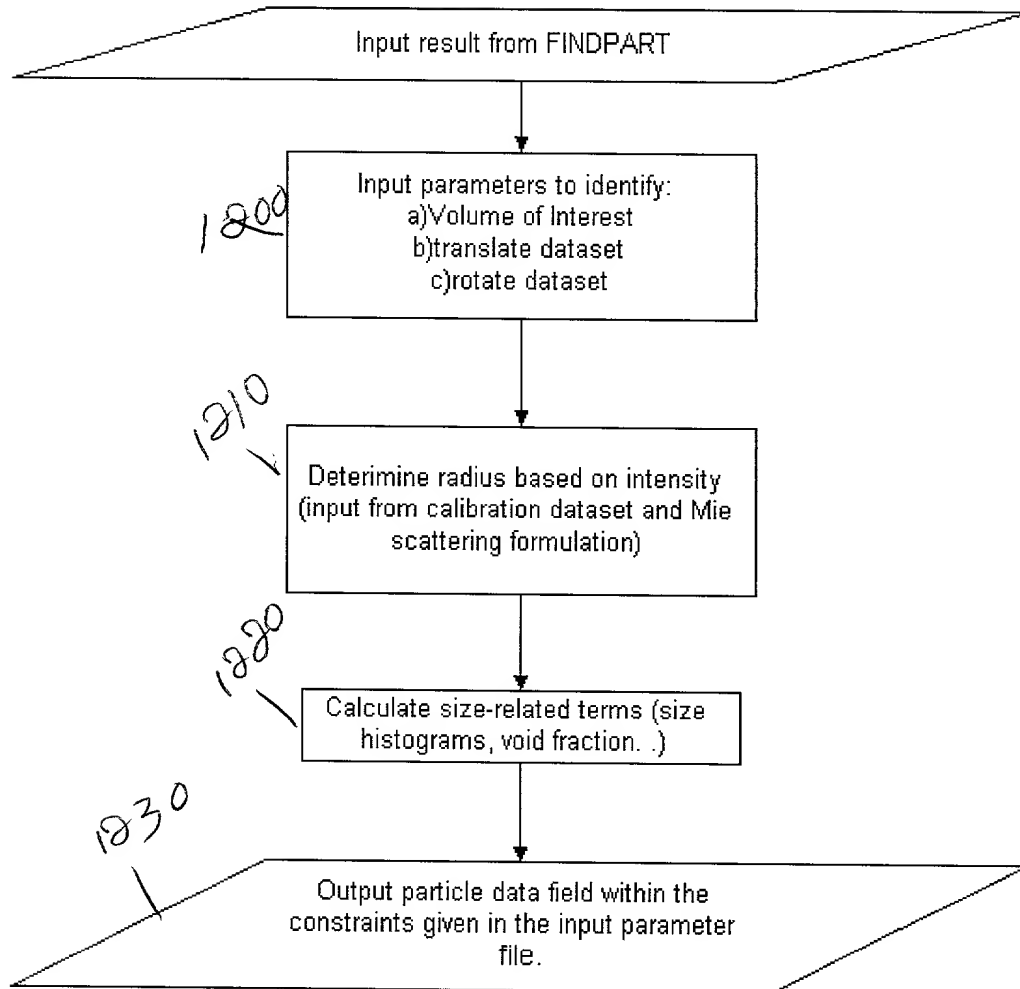


FIG 12

## Program 4: FINDFLOW

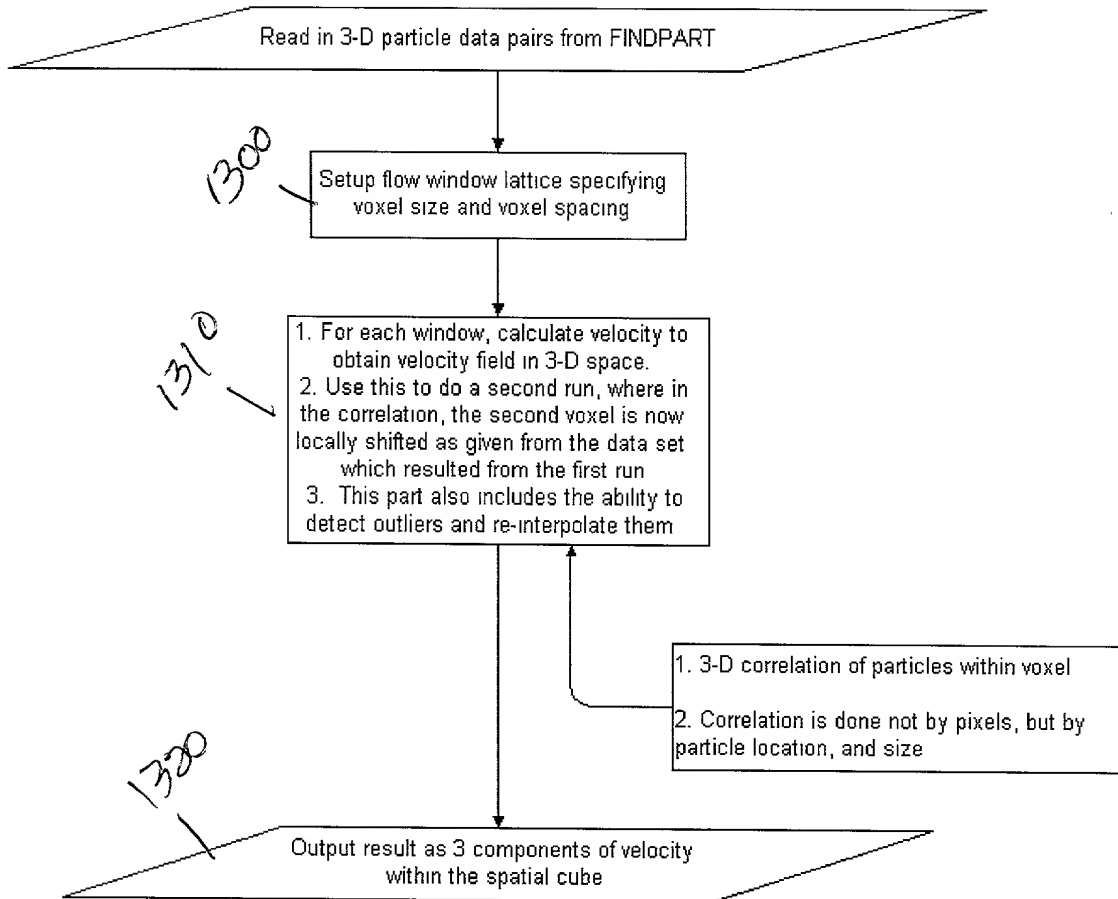


FIG 13

# Program 5: FILTERFLOW

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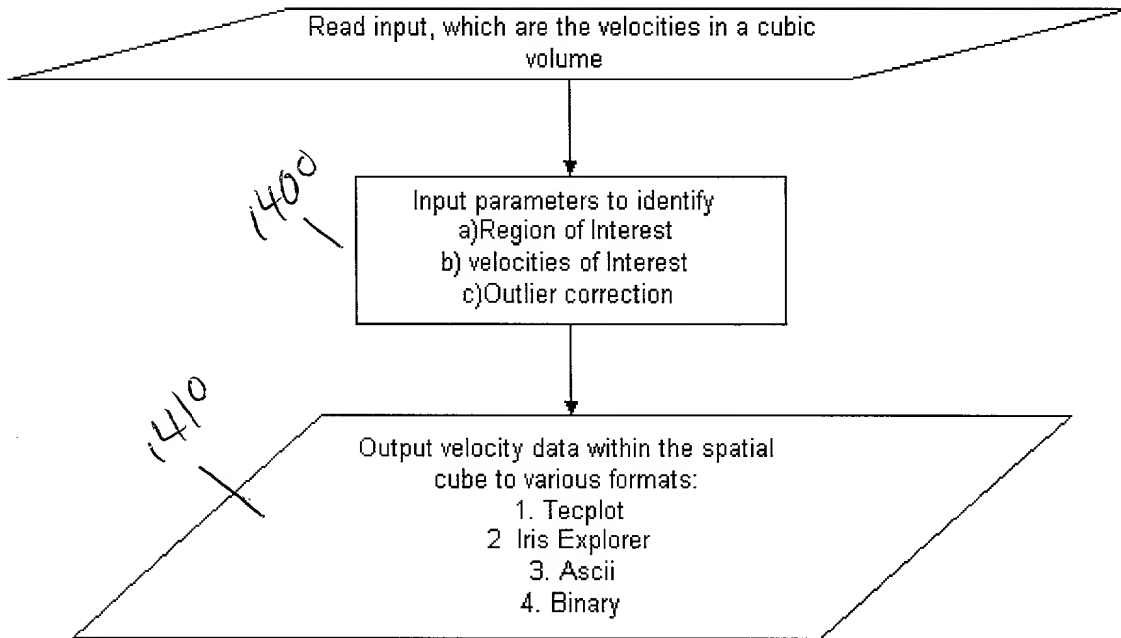


FIG 14